

## **APPENDIX D**

*Results of  
Toxicity Characteristic Leaching Procedure  
on Manufactured Aggregate*

Commercial Demonstration of the Manufactured Aggregate Processing Technology  
Utilizing Spray Dryer Ash, King George County, Virginia  
DRAFT ENVIRONMENTAL ASSESSMENT



JOHN W. STURM, PRESIDENT

COMPANY: UNIVERSAL AGGREGATES, LLC

DATE SAMPLED:

SAMPLE ID: BIRCHWOOD SPRAY DRYER  
ASH AGGREGATE

DATE RECEIVED: 3-8-01 1400

SAMPLED BY: UNIVERSAL AGGREGATES, LLC

DATE ANALYZED:

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

EPA HAZARDOUS WASTE NUMBER	CONTAMINANT	CONCENTRATION FOUND (mg/l)	MAXIMUM CONCENTRATION (mg/l)
D004	ARSENIC	<.02	5.00
D005	BARIUM	.29	100.0
D006	CADMIUM	<.01	1.0
D007	CHROMIUM	<.01	5.0
D008	LEAD	<.02	5.0
D009	MERCURY	<.002	.2
D010	SELENIUM	<.02	1.0
D011	SILVER	<.01	5.0

% SOLIDS: 100

SLURRY pH: 10.9

Final pH of Extract: 7.2

Extraction fluid used: #2

EXTRACTION PERFORMED BY:

CW

\*client provided

APPROVED:

A handwritten signature in cursive script, appearing to read "John W. Sturm", written over a horizontal line.